



0590
12/9

RAW SEQUENCE LISTING **ERROR REPORT**

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Application Serial Number: 09/837,604
Source: OIP
Date Processed by STIC: 01/02/2003

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
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09837604

OIPE

**Does Not Comply
Corrected Sequence Needed****RAW SEQUENCE LISTING**

PATENT APPLICATION: US/09/837,604

DATE: 01/02/2003

TIME: 09:21:05

Input Set : D:\Pa_00346.rpt

Output Set: N:\CRF4\01022003\I837604.raw

1 <110> APPLICANT: Bougri, Olegs
 2 Byrum, Joseph R.
 3 De La Pena, Robert C.
 4 La Rosa, Thomas J.
 5 Shukla, Hridayabhiranjan
 7 <120> TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
 8 Plants
 10 <130> FILE REFERENCE: 38-21(51892)B
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/837,604
 C--> 12 <141> CURRENT FILING DATE: 2002-12-13
 12 <150> PRIOR APPLICATION NUMBER: US 60/197,872
 14 <151> PRIOR FILING DATE: 2000-04-19
 16 <160> NUMBER OF SEQ ID NOS: 81288

ERRORED SEQUENCES

44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 306
 46 <212> TYPE: DNA
 47 <213> ORGANISM: Oryza sativa nipponbare
 49 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-A11

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 57 atcccaagtt caaacacata aaatgagaat cccgacgact tacaattaaa cgagaaatcg 180
 59 tactgaaaat catgtgccga aacagcctaa cattttcttt gcctcaaggc gaacaatata 240
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66 <210> SEQ ID NO: 3

67 <211> LENGTH: 70

68 <212> TYPE: DNA

69 <213> ORGANISM: Oryza sativa nipponbare

71 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-A12

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75 caatcataac caccgccccg agtttttaaataaaaaatcacc tcctccacac taatcctcac 60
 77 tcaataactca 70

80 <210> SEQ ID NO: 4

81 <211> LENGTH: 534

82 <212> TYPE: DNA

83 <213> ORGANISM: Oryza sativa nipponbare

85 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-A2

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RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/837,604

TIME: 09:21:05

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93 acacgtatca acctcatcta atgaacacat agcaacttgc cctcaaaaaa aacacacaca 180
95 cacatacaac ttgagtacca gtgagcttac ttcaggagct tggattcgat ctctccaaa 240
97 tgaaagtctt taatcttttg aacttttagg gtgacaaaca caaggagag caacgatatg 300
99 gctccaaata gaaggaaaat attggctggg ccaaagaatt ccttgaaggg tggaaaggca 360
101 aatggtacca gtggaatttg agccgaaatt ttgtaagtac tgcaaggctg atcccacgtt 420
103 ctcttggtcg gagtgggaag atctcagaaa ccattagcca acttattgga ccaaacgata 480
105 cctggtgaaga accgacatac agaagtaaag caccaacagc gacaaaaggg aagc 534

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164 <210> SEQ ID NO: 7

165 <211> LENGTH: 214

166 <212> TYPE: DNA

167 <213> ORGANISM: Oryza sativa nipponbare

169 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-A6

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173 gggggggaat tttttttaaa attaatgtt gaaaaaaatt ttttttctgg ctttgggaaa 60
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177 gacaagggtt tttggccctt aaaaacaaaa aaaaaaattt ggggggtttt tttgcctaaa 180
179 aattaaacat aaagttttga gccttttttt tttt 214

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182 <210> SEQ ID NO: 8

183 <211> LENGTH: 404

184 <212> TYPE: DNA

185 <213> ORGANISM: Oryza sativa nipponbare

187 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-A8

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191 gccctcagac ttgatccttt aaagcgacag cctttgtttt ttttttttaa ctacaacagt 60
193 gctggagggt gggggaatat ttcgaggcca aacaagagtt cacatatata aaatactacc 120
195 tgtgcaagta tattaaggac ataaattgac tgaacaaatt tacaccgcca cgtatcaact 180
197 tcatgttatg aaggggagaac agcttgccct caagaaaaac acacacacac atacaacttg 240
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201 tctctggaac tcttaggatg acaaacacag agcagggcaa cgatatggct ccaaatagaa 360
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206 <210> SEQ ID NO: 9

207 <211> LENGTH: 279

208 <212> TYPE: DNA

209 <213> ORGANISM: Oryza sativa nipponbare

211 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B1

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219 accgttcgtc ttattcaaaa aatttaagta attattaatt tttttccatt catttaattc 180
221 attattaaat atatttttat gcgggcatat aattttacat atctgacaaa agtttttgaa 240
223 taagaccaac ggtcaaacat gtgcttaaaa ggcacggc 279

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226 <210> SEQ ID NO: 10

227 <211> LENGTH: 465

228 <212> TYPE: DNA

229 <213> ORGANISM: Oryza sativa nipponbare

231 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B11

E--> 233 <400> SEQUENCE: 10

RAW SEQUENCE LISTING

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235 aactgggtag tttgcttga gttttatgaa tgaatacact acaaacagct aattacattg 60
237 accaacctaa tgaggttttt gactgagcag ctaaatacatc acagcaaata ggcagtacgc 120
239 agagcgtcac aaaagtaaac ccaacgctaa gctattacca tatagatata actgcctttc 180
241 aaaatattct ggacaaccaa cgagtacctt gtcgacaacc taccacctac atgctctgaa 240
243 aatgctgggtg atcggcgata tcatcatatt ccgcaaaagt tgcgtgagcc ccactctcaa 300
245 cagatgcac atcctctgtg acggcaaacc cagggtccaat cacatcgacg ctacaagatg 360
247 agcttagcct gtcgcttga tggacacaaa gatgtttcct cacattcatt tcaggcacgt 420
249 cagtaaggac tgcagggaga atgttcacca gctggggatt acttg 465

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253 <211> LENGTH: 233

254 <212> TYPE: DNA

255 <213> ORGANISM: Oryza sativa nipponbare

257 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B3

E--> 259 <400> SEQUENCE: 11

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263 acccctcttc tttttttttt aatacaatat taaaaacaac cttcgtattt ttttacattc 120
265 aaaaccaact ctattctatt aaataatcct tcacacaata taaaaatata ccactccacc 180
267 taatattacc cacacatctt acatacactc ctttattaca caacccttcc tct 233

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270 <210> SEQ ID NO: 12

271 <211> LENGTH: 467

272 <212> TYPE: DNA

273 <213> ORGANISM: Oryza sativa nipponbare

275 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B5

E--> 277 <400> SEQUENCE: 12

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279 gaaaaatagc gccggagtcg ctgtttcagg tacaagtttt gagttcaggt tggcatcaag 60
281 ccgcaagatt ttattctgga gcacaacatc tcggtgcccc agcagatcgg ggcagaacaa 120
283 cagtcaaacc aaaaattcga gggaccccc ctctagtcca catttgaatt gttagaatct 180
285 gcataggttg cctagtgcg gtgagcaaac ttgatgccct tctcaatcga agacttgagc 240
287 tcacccttca ggttctccag accctccttt taaaactcgg aaagctggcc cagcccaagt 300
289 acttcttcca ctccgttctt gccaaagcctt acctttgagg cgaagaatgg cagctctgtt 360
291 actgttgatt gcacaaaaga gcactctaca acatcaggaa ctccattaag ccccttcaag 420
293 cagcgcctg caaataccgc accagcatat gccatagaca atgttgc 467

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297 <211> LENGTH: 298

298 <212> TYPE: DNA

299 <213> ORGANISM: Oryza sativa nipponbare

301 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B6

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309 acatacataa ttaaaaaactc gtaattattt aaatacgtag ttgatggcat ctctaattga 180
311 acttgaggct ggtgaggatg ttgttggtga cgggatcagc gaggtgatca agcaggttct 240
313 gcacggggcc aaccccggtg aagagcgctt ggacggagaa agccgggaag gcgagcat 298

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316 <210> SEQ ID NO: 14

317 <211> LENGTH: 346

318 <212> TYPE: DNA

319 <213> ORGANISM: Oryza sativa nipponbare

321 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B7

E--> 323 <400> SEQUENCE: 14

RAW SEQUENCE LISTING

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325 gacagggaaa cgatcgtagt gccagttcat gcactactca tatttgatat ggaggggaac 60
327 caagtttgat ctgacaccta cttgataga tacacagcat aaaaggggca agttctacag 120
329 acctcagaag tttgttctgg actgcaattt acaagcaagg ggatgacagg gacgtcaagc 180
331 atgaacgata ggagccaatg attcacgcgc tagtgacagt aatcagtttt gcgattgact 240
333 ctgattatct tgcttagtag ggctttgcag tgctgtcact ttttgcggct gtcgtcttct 300
335 cagcggcaga agtgaaagac acagggaggt gcggctggtc attcac 346

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338 <210> SEQ ID NO: 15

339 <211> LENGTH: 295

340 <212> TYPE: DNA

341 <213> ORGANISM: Oryza sativa nipponbare

343 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-B9

E--> 345 <400> SEQUENCE: 15

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347 gggcgctcga aacttcaaaa ttctcattac aaaggatcga gaggaagaag gaagaagtct 60
349 ggggaaaatt tttggagcga ggtggagtta caaaggcagc agcagcagca gcttctacgt 120
351 tctcacttcc actggttggc gacgatgtcg gcgaggtcga ccaccctctg cgggtatccc 180
353 cactcgttgt cggaccaggc gatgaccttc accatgtcgt cgcccatgac catgctgagc 240
355 gacccgtcca tgggtgcacga cacgtctgag cacctgaagt cgacggacac gagcg 295

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390 <210> SEQ ID NO: 17

391 <211> LENGTH: 520

392 <212> TYPE: DNA

393 <213> ORGANISM: Oryza sativa nipponbare

395 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-C11

E--> 397 <400> SEQUENCE: 17

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399 gtgagtaatg actaattgta taagaatcct atgaaagaaa tgttccacaa acgaaagaag 60
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403 catgcactcc cgataagctc attgatcagc atgttcatgt tcatgttcat cgggactaat 180
405 cgtgctttcg atgtttatcc caatttcacc cctcaagaac ttggagtacc agtgagcaga 240
407 gagcttcggc tgccttggca aattgggggtc ctcaaaatca acataatgca ggccgaatgg 300
409 cgaatggtat cctgctaaca gctcaaacac atcaagaaat gaccacacaa agtaaccctt 360
411 cacattggct ccattcctta gtgcagctag agtgcttccc atgtagctac tcaagtagtc 420
413 cactctatct gtgtcattga gtgaatcgct gtccttaccg aaatgcccgaa aacctaaaaat 480
415 atggtaaaata gatgaacaaa aaaaaataga tcggtaaaaga 520

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482 <210> SEQ ID NO: 20

483 <211> LENGTH: 465

484 <212> TYPE: DNA

485 <213> ORGANISM: Oryza sativa nipponbare

487 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-C4

E--> 489 <400> SEQUENCE: 20

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495 ccagattgat ttaaggataa aagagaagag tagaagatgt tcagagaaat ttcacagtac 180
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503 tcttatcgac tgaaaaagga tagatgaaag gtacctctca ccaaagcttg gaaacacaac 420
505 cactaccaac tttccagcat tttctggtct ttttgcaact ttaat 465

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508 <210> SEQ ID NO: 21

509 <211> LENGTH: 201

510 <212> TYPE: DNA

RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/837,604

TIME: 09:21:05

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Output Set: N:\CRF4\01022003\I837604.raw

511 <213> ORGANISM: Oryza sativa nipponbare

513 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-C7

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519 cagtacatat acacttgaaa gaaagtctca atgatgcgca agcacaacaa tggcggc aaa 120

521 acctcggtag atcgatcgat cctcggaatt ctactcttcg tcgtcgacgc tgacaaactt 180

523 gccggtgccg ggggtgatgg c 201

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527 <211> LENGTH: 526

528 <212> TYPE: DNA

529 <213> ORGANISM: Oryza sativa nipponbare

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539 tcttgatca tctgccctac caaagtacca accttaagtg cacagttttg ttttactaa 180

541 cttaaaatcc gaaaacctgg cacttataga acacctctgg ataccatcc atcgtccgat 240

543 tcttaaccct aaatcctgaa cccgaaacca taaaagcgtc acaccctac ataaaaaatg 300

545 cttctgctat agctgcagat tgatcatctc agctcatgag tgattcataa ctttgcta 360

547 cttgaagcat aaaaaagaga ggaggtgtct tgagccttca agaaacacgg agattttgt 420

549 tccttggtgg acacagcttg ggtgcagga gctttgagat tcttgacgc gcagggggag 480

551 ggcgcgcgaa actttcacga ggcgtgcatc tggctgagga ggatga 526

554 <210> SEQ ID NO: 23

555 <211> LENGTH: 244

556 <212> TYPE: DNA

557 <213> ORGANISM: Oryza sativa nipponbare

559 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-D10

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567 gctagcatat aaacctgtgc cagtttcatt ttacaaggaa gaattataat gtttacagct 180

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571 ttgt 244

574 <210> SEQ ID NO: 24

575 <211> LENGTH: 479

576 <212> TYPE: DNA

577 <213> ORGANISM: Oryza sativa nipponbare

579 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-D2

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587 gtaccagtt tcagatcaga actgaaattc caaatgacag aaattagtca ctgtttcagg 180

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591 ttgacaatat gctttgctga ttcgatgcat tgccctctcc agtaacagga gaggaactg 300

593 aacatacaaa tatctagctt agctagctag ctacactcgt atgggcaatg gatgccaat 360

595 gcatatgcct ctctgtatga actggaacga aaagcaaaac tgttcttctc atcctgtaca 420

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631 <211> LENGTH: 274

RAW SEQUENCE LISTING

DATE: 01/02/2003

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TIME: 09:21:05

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Output Set: N:\CRF4\01022003\I837604.raw

632 <212> TYPE: DNA

633 <213> ORGANISM: Oryza sativa nipponbare

635 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-D5

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643 gacatcgcca agagcagatt tggatcaacgt gtagtacttc tccgcctctt cggggctctt    180
645 gatcttggct gcatggtcaa gccctcaat ggtggcgaag agcttgccgg tgaggtcctt    240
647 gaggcccttc ttctcgtcct tgggcttga gttg                                274

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650 <210> SEQ ID NO: 27

651 <211> LENGTH: 510

652 <212> TYPE: DNA

653 <213> ORGANISM: Oryza sativa nipponbare

655 <223> OTHER INFORMATION: Clone ID: LIB3431-052-P1-N1-D8

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665 cacaggagac gttccacca tgggaagcaga gggatgacca tggatgaactt taaaagctta    240
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671 ttgaaaccag agccgaacct gaactccgat gcgccattga tgcgcgccat ctggttaccg    420
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675 tgcacatgc cattgacatc ttccaacaca                                510

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/837,604

DATE: 01/02/2003

TIME: 09:24:45

Input Set : D:\Pa_00346.rpt

Output Set: N:\CRF4\01022003\I837604.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:240
L:51 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:2
L:73 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:3
L:87 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:4
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:360
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:180
L:171 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:7
L:189 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:8
L:213 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:9
L:233 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:10
L:259 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:11
L:277 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:12
L:303 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:13
L:323 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:14
L:345 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:15
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:420
L:397 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:17
L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:360
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:480
L:471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:240
L:475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:360
L:489 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:20
L:515 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:21
L:533 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:22
L:561 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:23
L:581 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:24
L:625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:360
L:637 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:26
L:657 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:27
L:685 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:28
L:727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:360
L:729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:420
L:741 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:30
L:767 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:31
L:795 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:32
L:821 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:33
L:843 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:34
L:871 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:35
L:893 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:36
L:921 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:37
L:943 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:38
L:961 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:39
L:999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:360
L:1011 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:41
L:1049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:360
L:1051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:420

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/837,604

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TIME: 09:24:45

Input Set : D:\Pa_00346.rpt

Output Set: N:\CRF4\01022003\I837604.raw

L:1061 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:43
L:1085 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:44
L:1113 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:45
L:1137 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:46
L:1165 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:47
L:1187 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:48
L:1233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:360
L:1245 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:50
L:1269 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:51
L:1289 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:52
L:1313 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:53
L:1337 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:54
L:1357 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:55
L:1379 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:56
L:1399 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:57
L:1421 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:58
L:1441 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:59
L:1463 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:60
L:1485 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:61
L:1629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:240
L:2005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:360
L:2449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:420
L:2507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:360
L:2619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:360
L:2703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:360
L:2847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:480
L:3187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:480
L:3189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:540
L:3493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:300
L:3497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:420
L:3811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:540
L:3873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:0
L:3933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:360
L:4395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:360
L:4397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:420
L:4399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:480
L:4445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172 after pos.:180
L:4809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185 after pos.:360
L:5025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:360
L:5047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194 after pos.:0
L:5083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:360
L:5197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199 after pos.:360
L:5589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214 after pos.:240
L:5591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214 after pos.:300
L:5709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:218 after pos.:420
L:6113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234 after pos.:0
L:6259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:420
L:6399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:245 after pos.:60
L:6675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256 after pos.:300

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L:6787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260 after pos.:360
L:7063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:270 after pos.:360
L:7115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:272 after pos.:180
L:7377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:300
L:7379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:360